

S
553.28
013
Vol. 27, #6
June, 1978

SHELVED WITH
PERIODICALS

PLEASE
RETURN

Montana State Library
3 0864 1005 9844 3

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

JUDSON D. SWEET, Admin. & Petr. Eng.
15 POLY DRIVE
BILLINGS, MONTANA 59101

DONALD E. CHISHOLM, Exec. Sec.
P.O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

CHARLES G. MAIO, Geologist
15 POLY DRIVE
BILLINGS, MONTANA 59101

STATE DOCUMENTS COLLECTION



AUG 9 1978

Montana State Library
Lyndale Ave.
Helena, Montana 59601

BOARD MEMBERS

R. A. CAMPBELL, Chairman
1222 N. 27TH STREET
BILLINGS, MONTANA 59101

C. J. IVERSON, Vice Chairman
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BUILDING
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG
HELENA, MONTANA 59601

Vol. XXVII, No. 6



JUNE, 1978

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of June, 1978 averaged 84,220 barrels daily, an increase of 85 barrels from the average 84,135 production in May.

The six refineries in the state processed 141,160 barrels of crude oil daily for the month of June, an increase of 25,633 barrels from the 115,527 barrels produced daily during the month of May.

During June, 56 wells were completed, 11 oil, 17 gas, and 28 dry holes.

During June, the board issued 114 permits to drill new wells, an increase of 15 from the 99 permits issued during May.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF JUNE, 1978

IN STORAGE: JUNE 1st	
By Producers.....	402,708
By Transporters	1,512,163
By Refiners	1,541,532
TOTAL STORAGE.....	3,456,403
Produced in Mont. During Month	2,526,593
Imported During Month	3,404,771
TOTAL.....	9,387,767

DISPOSITION	
Refined in Montana	4,234,805
Exported	1,694,743
Used for Fuel or Lost	20,162
TOTAL.....	5,949,710

IN STORAGE: JUNE 30th	
By Producers.....	370,202
By Transportation	1,578,927
By Refiners	1,488,928
TOTAL STORAGE.....	3,438,057

REFINERS MONTHLY REPORT JUNE, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	210,495	309,059	—	334,506	687,627	1,335,609	206,078
Exxon Company.....	404,778	35,968	—	796,035	449,157	1,328,321	357,617
Farmers Union	892,042	84,736	24,868	369,592	662,827	1,145,147	888,918
Kenco Refining.....	—	79,557	—	—	—	79,557	—
Phillips Petroleum	4,679	113,056	—	—	80,159	189,919	7,975
Wesco Refining Co.....	29,538	155,054	—	—	—	156,252	28,340
TOTALS	1,541,532	777,430	24,868	1,500,133	1,879,770	4,234,805	1,488,928

AVERAGE BARRELS RECEIVED PER DAY

	Montana	N. Dakota	Wyoming	Canada	Total
Year, 1977.....	24,632	549	50,405	57,615	133,201
June, 1977	24,747	803	51,735	63,732	141,017
June, 1978	25,914	829	50,005	62,659	139,407

PERCENTAGE OF CRUDE OIL RECEIVED

	Montana	N. Dakota	Wyoming	Canada
Year, 1977.....	18.49%	.41%	37.84%	43.26%
June, 1977	17.55%	.57%	36.69%	45.19%
June, 1978	18.59%	.59%	35.87%	44.95%

PRODUCERS' REPORT—MONTH OF JUNE, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Arch Apex	4	849	742	697	—	894
2	Ash Creek.....	3	434	827	771	—	490
1	Bainville	1	3,995	1,400	2,236	—	3,159
1	Bainville, West.....	1	180	1,498	1,252	—	426
5	Bannatyne	10	1,104	454	1,077	—	481
5	Bears Den.....	6	1,033	942	408	—	1,567
16	Bell Creek.....	176	11,786	583,938	580,497	1,713	13,514
1	Benrud.....	2	204	200	200	—	204
3	Benrud East.....	3	1,481	9,137	9,501	—	1,117
1	Benrud Northeast.....	1	528	1,128	835	—	821
1	Berthelote.....	1	321	115	209	—	227
2	Big Gully.....	2	1,394	262	386	2	1,268
3	Big Muddy Creek.....	3	2,606	5,167	6,225	222	1,326
5	Big Wall.....	15	957	6,301	6,138	—	1,120
1	Blackfoot	6	681	1,467	1,608	—	540
1	Blue Hill	1	911	2,618	2,394	—	1,135
5	Border	9	1,305	1,393	1,644	—	1,054
1	Boulder	1	1,298	546	903	—	941
1	Bowes	54	6,111	10,921	11,885	—	5,147
1	Bradley	1	257	536	398	—	395
2	Breed Creek.....	5	1,785	10,830	11,647	—	968
5	Brorson-Madison	5	3,095	2,826	3,703	—	2,218
3	Brorson-Red River	3	4,637	2,642	2,504	—	4,775
3	Brorson-Red River S.	3	782	2,676	2,279	—	1,179
4	Brush Lake.....	4	752	5,573	5,351	—	974
1	Burns Creek.....	1	677	767	1,079	—	365
2	Cabin Creek.....	85	—	128,498	128,498	—	—
2	Canal	2	1,366	3,312	3,156	—	1,522
11	Cat Creek.....	58	2,937	8,069	8,504	—	2,502
2	Charlie Creek	2	2,189	8,717	9,395	—	1,511
—	Clarks Fork	—	37	—	—	—	37
—	Clarks Fork North	—	836	—	—	—	836
1	Clarks Fork South	1	961	33	—	—	994
2	Clear Lake	2	1,030	9,262	9,498	—	794
2	Conrad South	3	90	421	421	—	90
1	Cow Creek	1	133	373	259	—	247
9	Cow Creek East	11	5,727	15,658	17,353	—	4,032
1	Culbertson	1	485	427	—	—	912
7	Cupton	10	5,604	8,845	9,531	—	4,918
86	Cut Bank.....	810	34,577	135,775	136,183	59	34,110
1	Dagmar	2	628	4,179	4,039	—	768
1	Dean Dome	1	432	649	1,039	—	42
1	Deer Creek.....	1	444	631	833	—	242
1	Delphia	1	264	477	621	—	120
—	Devils Basin.....	—	294	—	—	—	294
7	Dry Creek.....	7	1,151	2,261	2,294	—	1,118
2	Dwyer	10	3,428	12,323	11,659	—	4,092
3	Elk Basin.....	52	631	78,216	78,377	—	470
3	Elk Basin Northwest	5	1,546	1,235	1,281	—	1,500
5	Fairview.....	9	9,554	26,671	28,399	—	7,826
2	Fertile Prairie.....	2	574	1,049	1,384	—	239
3	Flat Coulee.....	19	2,136	10,782	11,204	—	1,714
7	Flat Lake.....	49	2,620	48,609	49,083	—	2,146
4	Flat Lake South	4	1,272	3,615	3,726	—	1,161
1	Fort Gilbert	2	383	1,962	1,704	—	641
1	Four Mile Creek	1	217	5,186	4,704	—	699
1	Four Mile Creek West.....	1	1,497	1,911	3,077	—	331
1	Frannie	1	—	900	900	—	—
14	Fred & George Creek	22	5,384	38,762	38,446	—	5,700
1	Froid South	1	703	660	608	—	755
1	Gage	1	62	163	193	—	32
3	Gas City	11	4,874	6,596	7,037	—	4,433
—	Girard	—	1,275	—	—	—	1,275
11	Glendive	14	2,226	18,112	18,689	—	1,649
1	Golden Dome	1	807	21	373	381	74
12	Goose Lake	19	3,989	17,100	17,263	—	3,826
11	Graben Coulee	35	4,192	3,736	4,332	113	3,483
1	Grandview East.....	1	167	228	210	—	185
4	Gumbo Ridge	6	4,639	3,646	3,898	—	4,387
4	Gypsy Basin	8	1,378	2,483	1,569	1,408	884
1	Hay Creek-Mission	1	387	967	810	—	544
2	Hay Creek-Red River	2	2,438	1,509	1,894	6	2,047
4	Hiawatha.....	4	2,373	3,494	3,935	—	1,932
1	Hibbard.....	1	783	44	208	—	619
7	High Five	15	3,697	30,803	30,053	938	3,509
1	Highview	1	25	227	—	—	252
1	Horse Creek.....	1	708	105	205	—	608
3	Howard Coulee.....	3	1,981	1,364	1,614	—	1,731
4	Ivanhoe	10	1,274	2,984	3,123	—	1,135
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee.....	14	3,531	22,894	23,320	—	3,105
6	Keg Coulee	18	4,859	10,520	10,092	10	5,277
4	Keg Coulee North	4	1,471	225	573	6	1,117
1	Kelley.....	3	640	1,651	1,818	—	473
107	Kevin Sunburst.....	516	16,758	34,651	35,675	282	15,452
1	Laird Creek	10	1,002	2,829	2,980	—	851
—	Landslide Butte.....	—	221	—	—	—	221
5	Leary	5	2,255	2,744	3,259	30	1,710
2	Little Beaver.....	22	148	33,649	33,649	—	148
4	Little Beaver East.....	11	2,753	12,208	12,237	—	2,724
15	Little Wall Creek.....	16	5,841	20,153	21,173	36	4,785
1	Lodge Grass	1	739	113	363	—	489
1	Lone Butte	1	1,560	3,114	3,956	3	715
6	Lonetree Creek	6	3,496	9,085	9,708	—	2,873
1	Long Creek	1	351	536	497	—	390
2	Long Creek West	2	1,196	7,955	7,929	—	1,222
3	Lookout Butte (Coral Creek)	30	844	54,515	54,599	—	760
3	Mason Lake	3	566	1,311	1,436	—	441
1	McCabe.....	1	—	1,046	327	—	719
4	Melstone	8	1,730	11,389	11,678	—	1,441

PRODUCERS' REPORT—MONTH OF JUNE, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Mineral Bench.....	1	156	400	400	—	156
2	Miners Coulee.....	2	681	358	730	—	309
13	Mon Dak West.....	13	12,502	43,128	39,727	—	15,903
10	Monarch.....	15	4,171	10,442	11,239	—	3,374
2	Mosser.....	6	—	551	551	—	—
1	Nohly.....	2	1,303	6,838	6,920	—	721
1	North Fork.....	2	938	3,853	3,842	—	949
4	Otis Creek.....	4	4,228	6,402	7,042	—	3,588
5	Outlook.....	5	1,297	11,548	11,242	—	1,603
1	Outlook South.....	1	824	170	—	—	994
2	Outlook West.....	2	2,010	1,049	1,899	—	1,160
1	Oxbow.....	1	1,063	4,633	4,547	—	1,149
1	Pennel.....	113	715	237,281	237,096	—	900
1	Phantom.....	1	241	878	832	—	287
4	Pine.....	100	12,773	191,260	190,623	—	13,410
68	Pondera.....	293	5,471	26,734	25,881	—	6,324
6	Poplar.....	61	8,501	35,977	37,121	780	6,577
11	Poplar Northwest.....	16	4,056	13,626	14,723	—	2,959
1	Prairie Elk.....	1	1,215	429	627	—	1,017
1	Prichard Creek.....	4	379	655	697	—	337
1	Putnam.....	2	390	1,597	1,121	—	866
3	Rabbit Hills.....	3	3,248	3,573	4,713	—	2,108
10	Ragged Point.....	23	4,496	4,977	6,167	4	3,302
2	Rattler Butte.....	2	628	3,533	3,760	56	345
2	Rattlesnake Coulee.....	2	680	235	220	—	695
2	Raymond.....	5	2,451	16,439	17,114	—	1,776
—	Raymond Northeast.....	—	237	—	—	—	237
3	Reagan.....	49	737	15,308	15,008	—	1,037
1	Red Creek.....	18	—	7,049	7,049	—	—
1	Red Fox.....	1	274	170	238	—	206
1	Redstone.....	1	365	420	546	—	239
1	Repeat.....	1	455	1,047	1,128	—	374
3	Reserve.....	3	4,404	2,266	3,703	—	2,967
2	Richey.....	3	684	616	1,002	—	298
1	Richey Southwest.....	4	765	987	1,209	—	543
2	RipRap Coulee.....	2	774	1,773	1,282	—	1,265
4	Rosebud.....	4	1,224	2,169	1,517	—	1,876
1	Rush Mountain.....	1	519	1,777	1,884	—	412
2	Salt Lake.....	3	572	1,804	1,836	—	540
2	Sand Creek.....	4	402	2,372	2,372	—	402
4	Second Creek.....	4	1,673	6,424	6,426	—	1,671
2	Sheepherd.....	3	871	507	611	4	763
1	Shotgun Creek, North.....	1	109	3,842	3,682	—	269
4	Sidney.....	4	2,939	5,922	6,924	—	1,937
7	Sioux Pass.....	7	5,646	21,362	21,726	—	5,282
1	Sioux Pass, East.....	1	146	1,263	990	—	419
2	Sioux Pass, Middle.....	2	1,937	8,460	9,208	—	1,189
5	Sioux Pass, North.....	5	4,687	4,953	5,731	—	3,909
1	Snyder.....	3	201	449	—	—	650
8	Soap Creek.....	22	2,015	3,143	2,914	—	2,244
3	South Fork.....	3	3,096	13,604	14,695	—	2,005
1	Spring Lake.....	2	1,295	1,244	1,472	—	1,067
1	Stensvad.....	3	1,831	277	1,670	—	438
28	Sumatra.....	100	12,260	128,743	130,839	68	10,096
1	Tippy Buttes.....	1	—	1,256	1,016	—	240
5	Tule Creek.....	5	3,008	10,859	10,876	—	2,991
1	Tule Creek East.....	1	468	709	—	—	1,177
3	Tule Creek South.....	3	644	233	23	—	854
3	Utopia.....	8	1,236	5,379	5,753	—	862
4	Vaux.....	4	5,757	9,581	11,343	—	3,995
2	Vaux South.....	2	1,705	2,205	1,817	—	2,093
1	Vida.....	1	253	138	208	—	183
5	Volt.....	6	3,303	7,613	7,268	—	3,648
1	Wagon Box.....	1	266	137	220	—	183
1	Weed Creek.....	1	254	500	424	—	330
2	Weldon.....	2	3,457	2,276	3,947	—	1,786
1	West Butte.....	1	441	545	707	—	279
29	Whitlash.....	65	12,633	14,847	13,761	—	13,719
—	Whitlash West.....	—	284	—	—	—	284
2	Willow Creek North.....	2	438	600	500	—	538
1	Willow Ridge.....	2	—	432	432	—	—
3	Wills Creek South.....	3	—	2,607	2,607	—	—
3	Winnett Junction.....	6	643	8,211	8,306	—	548
2	Wolf Springs.....	2	1,910	594	1,033	—	1,471
—	Womans Pocket.....	—	271	—	—	—	271
2	Woodrow.....	2	235	1,336	1,166	—	405
2	Wright Creek.....	3	1,595	868	1,630	—	833
2	Wildcat, Big Horn County.....	2	1,092	907	1,134	—	865
—	Wildcat, McCone County.....	—	52	—	—	—	52
2	Wildcat, Musselshell County.....	2	530	339	615	2	252
18	Wildcat, Richland County.....	18	8,348	30,045	29,239	—	9,154
2	Wildcat, Roosevelt County.....	2	1,489	13,054	13,492	—	1,051
3	Wildcat, Sheridan County.....	3	1,240	7,474	7,469	—	1,245
1	Wildcat, Toole County.....	1	335	315	384	—	266
2	Wildcat, Wibaux County.....	2	243	972	432	—	783
855	TOTAL.....	3,388	402,708	2,526,593	2,552,976	6,123	370,202
Total oil produced		Bbls.	Daily		Bbls.	Daily	
and Shipped from Leases		Produced	Average		Shipped	Average	
Year, 1977		32,680,054	89,534		32,202,122	88,225	
1st Quarter, 1978		7,228,897	80,321		7,188,700	79,874	
April, 1978		2,526,715	84,224		2,519,552	83,985	
May, 1978		2,608,175	84,135		2,586,948	83,450	
June, 1978		2,526,593	84,220		2,552,976	85,099	
Oil in Storage		In Producers	In Transporters		In Refiners	Total In	
		Field Tanks	Storage		Storage	Storage	
December, 1977		351,530	1,438,975		1,421,444	3,211,949	
March, 1978		382,596	1,470,247		1,432,055	3,284,898	
April, 1978		385,218	1,526,135		1,328,529	3,239,882	
May, 1978		402,708	1,512,163		1,541,532	3,456,403	
June, 1978		370,202	1,578,927		1,488,928	3,438,057	

**NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA
AT 14.73 PSIA and 60° F.—MONTH OF JUNE, 1978**

Field	MC. Ft.
NATURAL:	
Alma.....	832
Bear's Den	818
Big Coulee	71,467
Big Rock	78,004
Black Coulee	5,606
Blackjack	24,134
Bowdoin	538,740
Bowes	40,560
Brown's Coulee	1,544
Bullwacker & Area	133,881
Canadian Coulee	67,768
Cedar Creek	122,755
Chip Creek.....	1,679
Clark's Fork, North	—
Coal Coulee.....	4,136
Cut Bank.....	158,434
Dry Creek	93,763
Dry Creek, Middle	3,453
Dunkirk North	23,242
Flat Coulee.....	285
Fresno	13,041
Gold Butte	—
Grandview	116
Gypsy Basin	27,961
Hardin	1,724
Haystack Butte	7,061
Highview	50,299
Keith Block	103,987
Kevin Sunburst	3,371
Kevin Sunburst Nisku & Area.....	16,365
Kicking Horse	20,829
Kinyon Coulee Area	6,528
Lake Basin	11,520
Ledger	12,909
Leroy	28,846
Liscom Creek	17,463
Lohman.....	1,157
Middle Butte	534
Miners Coulee.....	2,576
Mt. Lilly	—
Plevna	2,951
Prairie Dell	32,879
Pumpkin Creek	21,141
Rapelje	4,590
Rocky Boy Area	10,895
Rudyard	5,085
Sage Creek	—
Sawtooth Mountain & Area.....	120,994
Sherard	80,983
Strawberry Creek Area.....	5,037
Snoose Coulee	7,018
South Devon	—
South Shelby.....	38,929
Swanson Creek.....	4,462
Tiger Ridge	1,086,386
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	54,748
Willow Ridge	6,347
TOTAL NATURAL GAS.....	3,179,833

Field	MC. Ft.
ASSOCIATED:	
Bell Creek.....	22,295
Big Muddy Creek	—
Blue Hill	2,740
Clark's Fork South	1,963
Coral Creek	3,944
Elk Basin.....	4,490
Fairview	29,662
Four Mile Creek	4,231
Four Mile Creek, West	1,342
Glendive	243
Otis Creek	3,592
Pennel	6,527
Richland	34,723
Sioux Pass	16,226
Sioux Pass, East	1,248
Sioux Pass, Middle	6,514
Sioux Pass, North	1,651
Sumatra.....	8,981
Tule Creek	19,972
TOTAL ASSOCIATED GAS	170,344
TOTAL WITHDRAWALS	3,350,177

Total withdrawals for June, 1977, were 3,599,395 MCF.